

ABSTRACT

A pulmonary drug delivery device includes a hand piece that is electrically connected to a control unit. A cartridge is engagable with the hand piece and includes a drug reservoir, a pump connected to the drug reservoir, an electrically chargeable nozzle connected to the pump, a discharge electrode, and an information storage element. The control unit controls the pump and the electrical charge of the nozzle and discharge electrode in accordance with instructions stored within the information storage element.